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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [aTool: creating validated XML documents on the fly using MS word](#)

Oliver Meyer

October 2002

Proceedings of the 20th annual international conference on Computer documentation

Publisher: ACM Press

Full text available: [pdf\(239.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes aTool, an extension to Microsoft's Word to create XML documents. aTool has been developed in a joint project of the publisher Springer Verlag, Technical University of Munich (TUM), and Technical University of Aachen (RWTH). It has been developed to provide Springer Verlag with uniform XML documents from its authors and has become a generic XML creation tool that can be adapted to different document structures. For an author, aTool derives XML structures from MS Word editing c ...

Keywords: A-Posteriori Integration, DOM, Microsoft Office, Microsoft Word, Microsoft Word Add-In, XML, character formatting

2 [Hypermedia and Graphics 2: Vector graphics: from PostScript and Flash to SVG](#)

Steve Proberts, Julius Mong, David Evans, David Brailsford

November 2001

Proceedings of the 2001 ACM Symposium on Document engineering

Publisher: ACM Press

Full text available: [pdf\(127.00 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The XML-based specification for Scalable Vector Graphics(SVG), sponsored by the World Wide Web consortium, allows for compact and descriptive vector graphics for the Web. This paper describes a set of three tools for creating SVG, either from first principles or via the conversion of existing formats. The *ab initio* generation of SVG is effected from a server-side CGI script, using a PERL library of drawing functions; later sections highlight the problems of converting Adobe PostScript and ...

Keywords: Flash, PDF, PostScript, SVG, SWF

3 [Specialization in DITA: technology, process, & policy](#)

Michael Priestley, David A. Schell

October 2002

Proceedings of the 20th annual international conference on Computer documentation

Publisher: ACM Press

Full text available: [pdf\(306.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

DITA is an architecture for creating topic-oriented, information-typed content that can be reused and single-sourced in a variety of ways. It is also an architecture for creating new information types and describing new information domains, allowing groups to create very specific, targeted document type definitions using a process called specialization, while at the same time reusing common output transforms and design rules. Specialization provides a way to reconcile the needs for centralized co ...

Keywords: DITA, Darwin, XML, XML architectures, XSLT, domains, information architecture, information management, information typing, ontologies, policy, process, specialization

4 XIRQL: An XML query language based on information retrieval concepts



Norbert Fuhr, Kai Großjohann

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: [pdf\(281.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

XIRQL ("circle") is an XML query language that incorporates imprecision and vagueness for both structural and content-oriented query conditions. The corresponding uncertainty is handled by a consistent probabilistic model. The core features of XIRQL are (1) document ranking based on index term weighting, (2) specificity-oriented search for retrieving the most relevant parts of documents, (3) datatypes with vague predicates for dealing with specific types of content and (4) structural vagueness f ...

Keywords: Path algebra, XML, XQuery, probabilistic retrieval, ranked retrieval, vague predicates

5 Haskell and XML: generic combinators or type-based translation?



Malcolm Wallace, Colin Runciman

September 1999 **ACM SIGPLAN Notices , Proceedings of the fourth ACM SIGPLAN international conference on Functional programming ICFP '99**, Volume 34 Issue 9

Publisher: ACM Press

Full text available: [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present two complementary approaches to writing XML document-processing applications in a functional language. In the first approach, the generic tree structure of XML documents is used as the basis for the design of a library of combinators for generic processing: selection, generation, and transformation of XML trees. The second approach is to use a type-translation framework for treating XML document type definitions (DTDs) as declarations of algebraic data types, and a derivation of the cor ...

6 Using SGML as a basis for data-intensive NLP



David McKelvie, Chris Brew, Henry Thompson

March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Publisher: Morgan Kaufmann Publishers Inc.

Full text available: [pdf\(792.46 KB\)](#)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper describes the LT NSL system (McKelvie et al, 1996), an architecture for writing corpus processing tools. This system is then compared with two other systems which address similar issues, the GATE system (Cunningham et al, 1995) and the IMS Corpus Workbench (Christ, 1994). In particular we address the advantages and disadvantages of an SGML approach compared with a non-SGML database approach.

7 Getting started with Emacs

Charles Curley

March 2003 **Linux Journal**, Volume 2003 Issue 107

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(17.08 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

After you've mastered the Emacs tutorial, now what? A look at macros for mail and more.

8 XML transactions: An object-oriented extension of XML for autonomous web applications

Hasan M. Jamil, Giovanni A. Modica

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM Press

Full text available:  [pdf\(277.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

While the idea of extending XML to include object-oriented features has been gaining popularity in general, the potential of inheritance in document design has not been well recognized in contemporary research. In this paper we demonstrate that XML with dynamic inheritance aids better document designs and decreased management overheads and support increased autonomy. As an extended application, we point out that dynamic inheritance also helps effective automated web portal and ontology designs. W ...

Keywords: XML, autonomous objects, document structuring, dynamic object hierarchy, inheritance, object-orientation, web

9 Document creation II: Techniques for authoring complex XML documents

Vincent Quint, Irène Votton

October 2004 **Proceedings of the 2004 ACM symposium on Document engineering**

Publisher: ACM Press

Full text available:  [pdf\(265.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper reviews the main innovations of XML and considers their impact on the editing techniques for structured documents. Namespaces open the way to compound documents; well-formedness brings more freedom in the editing task; CSS allows style to be associated easily with structured documents. In addition to these innovative features the wide deployment of XML introduces structured documents in many new applications including applications where text is not the dominant content type. In lan ...


Keywords: CSS, XML, authoring tools, compound documents, direct manipulation, structured editing, style languages

10 Structured documents: Searching XML documents via XML fragments

David Carmel, Yoelle S. Maarek, Matan Mandelbrod, Yosi Mass, Aya Soffer

July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Publisher: ACM Press

Full text available:  [pdf\(402.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

Most of the work on XML query and search has stemmed from the publishing and database communities, mostly for the needs of business applications. Recently, the Information Retrieval community began investigating the XML search issue to answer information discovery needs. Following this trend, we present here an approach where information needs can be expressed in an approximate manner as pieces of XML documents or "XML fragments" of the same nature as the documents that are being searched. We pr ...

Keywords: XML fragments, XML search & retrieval, vector space model

11 Interactive Editing Systems: Part I



Norman Meyrowitz, Andries van Dam

September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(3.08 MB) Additional Information: [full citation](#), [citations](#), [index terms](#)

12 Web content accessibility guidelines 1.0



Wendy Chisholm, Gregg Vanderheiden, Ian Jacobs

July 2001 **interactions**, Volume 8 Issue 4

Publisher: ACM Press

Full text available: pdf(471.98 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 Rhetoric of present single-sourcing methodologies



Dave Clark

October 2002 **Proceedings of the 20th annual international conference on Computer documentation**

Publisher: ACM Press

Full text available: pdf(198.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, I detail what Bill Hart-Davidson describes as the "anxiety" that many technical communicators have about implementations of single source documentation. Specifically, I briefly explore what I see as some of the key potential rhetorical problems with single sourcing, in part by drawing on real-world examples gathered from conversations with and shadowing of technical communicators in their workplaces. I address the following potential objections that we need to handle in pragmatic ...

Keywords: documentation, single source, text reuse, theory

14 Detecting shifts in news stories for paragraph extraction



Fumiyo Fukumoto, Yoshimi Suzuki

August 2002 **Proceedings of the 19th international conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available: pdf(238.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

For multi-document summarization where documents are collected over an extended period of time, the *subject* in a document changes over time. This paper focuses on subject shift and presents a method for extracting key paragraphs from documents that discuss the same *event*. Our extraction method uses the results of event tracking which starts from a few sample documents and finds all subsequent documents that discuss the same event. The method was tested on the TDT1 corpus, an ...

15 Uncovering expectations of web site visitors and building a site that makes discovering IT easy



Warren Mayer, Todd Krupa

November 2002 **Proceedings of the 30th annual ACM SIGUCCS conference on User services**

Publisher: ACM Press

Full text available: pdf(654.80 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Two years after transforming its World Wide Web presence and publishing process,

Information & Access Technology Services at the University of Missouri-Columbia embarked on developing and publicly documenting another online redesign: the evolution from a "best guess" to "can't miss" site. Armed with 24 months of use data and feedback from surveys and focus groups, IAT Services was able to combine known strengths of the 2000 site and develop solutions from suggestions for the 2002 site. The entire ...

Keywords: Web site, accessibility, advertising, computing, customer service, design, document management, focus groups, graphic design, information technology, news, online information, personalized web content, print publications, statistical reporting, telecommunications, usability, user guides, user interface

16 Concepts of the text editor Lara



J. Gutknecht

September 1985 **Communications of the ACM**, Volume 28 Issue 9

Publisher: ACM Press

Full text available: [pdf\(1.60 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Lara, a text editor developed for the Lilith workstation, exemplifies the principles underlying modern text-editor design: a high degree of interactivity, an internal data structure that mirrors currently displayed text, and extensive use of bitmap controlled displays and facilities.

17 Surfing the net for software engineering notes: Surfing the net for software engineering notes



Mark Doernhoefer

May 2004 **ACM SIGSOFT Software Engineering Notes**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: [pdf\(1.47 MB\)](#)

Additional Information: [full citation](#)

18 Web engineering: A foundation for tool based mobility support for visually impaired web users



Yeliz Yesilada, Robert Stevens, Carole Goble

May 2003 **Proceedings of the 12th international conference on World Wide Web**

Publisher: ACM Press

Full text available: [pdf\(324.99 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Users make journeys through the Web. Web travel encompasses the tasks of orientation and navigation, the environment and the purpose of the journey. The ease of travel, its mobility, varies from page to page and site to site. For visually impaired users, in particular, mobility is reduced; the objects that support travel are inaccessible or missing altogether. Web development tools need to include support to increase mobility. We present a framework for finding and classifying travel objects with ...

Keywords: mobility, mobility support tool, travel, travel objects, visual impairment

19 The travails of visually impaired web travellers



Carole Goble, Simon Harper, Robert Stevens

May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**

Publisher: ACM Press

Full text available: [pdf\(229.51 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: hypertext, mobility, navigation, travel, usability, visual impairment, web

20 Should anchors be typed too?: an experiment with MacWeb

Jocelyne Nanard, Marc Nanard

December 1993 **Proceedings of the fifth ACM conference on Hypertext****Publisher:** ACM PressFull text available: pdf(1.10 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** anchoring, dynamic links, knowledge-based hypertext, virtual documents

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